

Yuhan Huang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2298911/publications.pdf>

Version: 2024-02-01

61
papers

1,917
citations

270111

25
h-index

312153

41
g-index

61
all docs

61
docs citations

61
times ranked

1404
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid detection of high-emitting vehicles by on-road remote sensing technology improves urban air quality. <i>Science Advances</i> , 2022, 8, eabl7575.	4.7	28
2	Efficient Graphical Algorithm of Sensor Distribution and Air Volume Reconstruction for a Smart Mine Ventilation Network. <i>Sensors</i> , 2022, 22, 2096.	2.1	11
3	Effect of sampling duration on the estimate of pollutant concentration behind a heavy-duty vehicle: A large-eddy simulation. <i>Environmental Pollution</i> , 2022, , 119132.	3.7	0
4	Incentive edge-based federated learning for false data injection attack detection on power grid state estimation: A novel mechanism design approach. <i>Applied Energy</i> , 2022, 314, 118828.	5.1	16
5	Progress in experimental investigations on evaporation characteristics of a fuel droplet. <i>Fuel Processing Technology</i> , 2022, 231, 107243.	3.7	32
6	Optimizing the performance of sweeping gas membrane distillation for treating naturally heated saline groundwater. <i>Desalination</i> , 2022, 532, 115736.	4.0	7
7	Effect of diesel particulate filter regeneration on fuel consumption and emissions performance under real-driving conditions. <i>Fuel</i> , 2022, 320, 123937.	3.4	22
8	Effects of turbulence intensity and n-pentanol concentration on droplet evaporation and auto-ignition. <i>Fuel</i> , 2022, 322, 124177.	3.4	9
9	A review of atmospheric fine particulate matters: chemical composition, source identification and their variations in Beijing. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 4783-4807.	1.2	5
10	Evaluation of hydrous ethanol as a fuel for internal combustion engines: A review. <i>Renewable Energy</i> , 2022, 194, 504-525.	4.3	46
11	Adsorption and desorption behavior of arsenite and arsenate at river sediment-water interface. <i>Journal of Environmental Management</i> , 2022, 317, 115497.	3.8	11
12	A new shift mechanism for micro-explosion of water-diesel emulsion droplets at different ambient temperatures. <i>Applied Energy</i> , 2022, 323, 119448.	5.1	22
13	Chemical and toxicological characterization of particulate emissions from diesel vehicles. <i>Journal of Hazardous Materials</i> , 2021, 405, 124613.	6.5	32
14	Dual injection: An effective and efficient technology to use renewable fuels in spark ignition engines. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110921.	8.2	41
15	Strategies for improving the emission performance of hybrid electric vehicles. <i>Science of the Total Environment</i> , 2021, 771, 144901.	3.9	38
16	A review of strategies for mitigating roadside air pollution in urban street canyons. <i>Environmental Pollution</i> , 2021, 280, 116971.	3.7	94
17	A review of water injection application on spark-ignition engines. <i>Fuel Processing Technology</i> , 2021, 221, 106956.	3.7	30
18	Advances in As contamination and adsorption in soil for effective management. <i>Journal of Environmental Management</i> , 2021, 296, 113274.	3.8	16

#	ARTICLE	IF	CITATIONS
19	Reducing vehicle fuel consumption and exhaust emissions from the application of a green-safety device under real driving. <i>Science of the Total Environment</i> , 2021, 793, 148602.	3.9	24
20	Impact of drivers on real-driving fuel consumption and emissions performance. <i>Science of the Total Environment</i> , 2021, 798, 149297.	3.9	19
21	Investigation of water injection benefits on downsized boosted direct injection spark ignition engine. <i>Fuel</i> , 2020, 264, 116765.	3.4	43
22	Statistical evaluation of on-road vehicle emissions measurement using a dual remote sensing technique. <i>Environmental Pollution</i> , 2020, 267, 115456.	3.7	11
23	Investigation of water spray evolution process of port water injection and its effect on engine performance. <i>Fuel</i> , 2020, 282, 118839.	3.4	16
24	Near-field dynamics and plume dispersion after an on-road truck: Implication to remote sensing. <i>Science of the Total Environment</i> , 2020, 748, 141211.	3.9	6
25	Uncertainty in the Impact of the COVID-19 Pandemic on Air Quality in Hong Kong, China. <i>Atmosphere</i> , 2020, 11, 914.	1.0	19
26	Evaluating in-use vehicle emissions using air quality monitoring stations and on-road remote sensing systems. <i>Science of the Total Environment</i> , 2020, 740, 139868.	3.9	26
27	Optimization of a Small Wind Turbine for a Rural Area: A Case Study of Deniliquin, New South Wales, Australia. <i>Energies</i> , 2020, 13, 2292.	1.6	17
28	Re-evaluating effectiveness of vehicle emission control programmes targeting high-emitters. <i>Nature Sustainability</i> , 2020, 3, 904-907.	11.5	32
29	Large eddy simulation of vehicle emissions dispersion: Implications for on-road remote sensing measurements. <i>Environmental Pollution</i> , 2020, 259, 113974.	3.7	14
30	Simulation of engine faults and their impact on emissions and vehicle performance for a liquefied petroleum gas taxi. <i>Science of the Total Environment</i> , 2020, 716, 137066.	3.9	14
31	A review of the key sensitive parameters on the aerodynamic performance of a horizontal wind turbine using Computational Fluid Dynamics modelling. <i>AIMS Energy</i> , 2020, 8, 493-524.	1.1	6
32	Investigation of factors affecting the gaseous and particulate matter emissions from diesel vehicles. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 1113-1126.	1.5	5
33	A remote sensing emissions monitoring programme reduces emissions of gasoline and LPG vehicles. <i>Environmental Research</i> , 2019, 177, 108614.	3.7	14
34	Experimental and numerical investigation of performance of an ethanol-gasoline dual-injection engine. <i>Energy</i> , 2019, 186, 115835.	4.5	23
35	Characterisation of diesel vehicle emissions and determination of remote sensing cutpoints for diesel high-emitters. <i>Environmental Pollution</i> , 2019, 252, 31-38.	3.7	27
36	Chemical and microbiological risk assessment of urban river water quality in Vietnam. <i>Environmental Geochemistry and Health</i> , 2019, 41, 2559-2575.	1.8	15

#	ARTICLE	IF	CITATIONS
37	Impact of potential engine malfunctions on fuel consumption and gaseous emissions of a Euro VI diesel truck. <i>Energy Conversion and Management</i> , 2019, 184, 521-529.	4.4	40
38	Fuel consumption and emissions performance under real driving: Comparison between hybrid and conventional vehicles. <i>Science of the Total Environment</i> , 2019, 659, 275-282.	3.9	140
39	Effects of direct injection timing associated with spark timing on a small spark ignition engine equipped with ethanol dual-injection. <i>Fuel</i> , 2019, 239, 852-861.	3.4	13
40	A new puffing model for a droplet of butanol-hexadecane blends. <i>Applied Thermal Engineering</i> , 2018, 133, 633-644.	3.0	30
41	Emission measurement of diesel vehicles in Hong Kong through on-road remote sensing: Performance review and identification of high-emitters. <i>Environmental Pollution</i> , 2018, 237, 133-142.	3.7	42
42	Effect of ambient temperature on the puffing characteristics of single butanol-hexadecane droplet. <i>Energy</i> , 2018, 145, 430-441.	4.5	30
43	Remote sensing of on-road vehicle emissions: Mechanism, applications and a case study from Hong Kong. <i>Atmospheric Environment</i> , 2018, 182, 58-74.	1.9	71
44	Tackling nitric oxide emissions from dominant diesel vehicle models using on-road remote sensing technology. <i>Environmental Pollution</i> , 2018, 243, 1177-1185.	3.7	28
45	Experimental study on combustion characteristics of an n-butanol-biodiesel droplet. <i>Energy</i> , 2018, 160, 490-499.	4.5	28
46	Experimental investigation on spray, evaporation and combustion characteristics of ethanol-diesel, water-emulsified diesel and neat diesel fuels. <i>Fuel</i> , 2018, 231, 438-448.	3.4	47
47	Eco-driving technology for sustainable road transport: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 93, 596-609.	8.2	231
48	The effect of different n-butanol-fatty acid methyl esters (FAME) blends on puffing characteristics. <i>Fuel</i> , 2017, 208, 30-40.	3.4	33
49	Evaporation and Ignition Characteristics of Water Emulsified Diesel under Conventional and Low Temperature Combustion Conditions. <i>Energies</i> , 2017, 10, 1109.	1.6	12
50	Investigation of the effect of heated ethanol fuel on combustion and emissions of an ethanol direct injection plus gasoline port injection (EDI + GPI) engine. <i>Energy Conversion and Management</i> , 2016, 123, 338-347.	4.4	56
51	Effect of injection timing on mixture formation and combustion in an ethanol direct injection plus gasoline port injection (EDI+GPI) engine. <i>Energy</i> , 2016, 111, 92-103.	4.5	54
52	Spray and evaporation characteristics of ethanol and gasoline direct injection in non-evaporating, transition and flash-boiling conditions. <i>Energy Conversion and Management</i> , 2016, 108, 68-77.	4.4	91
53	Numerical investigation to the dual-fuel spray combustion process in an ethanol direct injection plus gasoline port injection (EDI+GPI) engine. <i>Energy Conversion and Management</i> , 2015, 92, 275-286.	4.4	61
54	Investigation to charge cooling effect and combustion characteristics of ethanol direct injection in a gasoline port injection engine. <i>Applied Energy</i> , 2015, 160, 244-254.	5.1	67

#	ARTICLE	IF	CITATIONS
55	Investigation to Charge Cooling Effect of Evaporation of Ethanol Fuel Directly Injected in a Gasoline Port Injection Engine. , 0, , .		18
56	Numerical Investigation to the Effect of Ethanol/Gasoline Ratio on Charge Cooling in an EDI+GPI Engine. , 0, , .		2
57	The Effect of Fuel Temperature on the Ethanol Direct Injection Spray Characteristics of a Multi-hole Injector. SAE International Journal of Fuels and Lubricants, 0, 7, 792-802.	0.2	23
58	Numerical Modelling of Ethanol Direct Injection (EDI) Sprays of a Multi-Hole Injector under Non-Evaporating, Transition and Flash-Boiling Conditions. , 0, , .		4
59	Effects of an On-Board Safety Device on the Emissions and Fuel Consumption of a Light Duty Vehicle. , 0, , .		0
60	Emission Performance of LPG Vehicles by Remote Sensing Technique in Hong Kong. , 0, , .		0
61	Evaluation of wind resource potential using statistical analysis of probability density functions in New South Wales, Australia. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-18.	1.2	5